FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
660088.446APPLICATION NO.
09/960,612

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Christen M. Anderson et al.

FILING DATE

September 20, 2001

GROUP ART UNIT

1619

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SH	AA	4,297,280	10/27/81	Hirai et al.	260	245.5	
SH	AB	4,341,704	07/27/82	Hirai et al.	260	243.3	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	AC				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SH	AD	✓	Baron and Thayer, "CGP37157 Modulates Mitochondrial Ca^{2+} Homeostasis in Cultured Rat Dorsal Root Ganglion Neurons," <i>Eur. J. Pharmacol.</i> 340(2-3):295-300, December 11, 1997.
	AE	✓	Baysal et al., "Regulation of the Mitochondrial $\text{Na}^+/\text{Ca}^{2+}$ Antiport by Matrix pH," <i>Arch. Biochem. Biophys.</i> 291(2):383-389, December 1991.
	AF	✓	Chiesi et al., "Stereospecific Action of Diltiazem on the Mitochondrial Na-Ca Exchange System and on Sarcolemmal Ca-Channels," <i>Biochem. Pharmacol.</i> 36(17):2735-2740, September 1, 1987.
	AG	✓	Chiesi et al., "Structural Dependency of the Inhibitory Action of Benzodiazepines and Related Compounds on the Mitochondrial $\text{Na}^+/\text{Ca}^{2+}$ Exchanger," <i>Biochem. Pharmacol.</i> 37(22):4399-4403, November 15, 1988.
	AH	✓	Cox and Matlib, "Modulation of Intramitochondrial Free Ca^{2+} Concentration by Antagonists of $\text{Na}^+/\text{Ca}^{2+}$ Exchange," <i>Trends Pharmacol. Sci.</i> 14(11):408-413, November 1993.
	AI	✓	Cox et al., "Selectivity of Inhibition of $\text{Na}^+/\text{Ca}^{2+}$ Exchange of Heart Mitochondria by Benzothiazepine CGP-37157," <i>J. Cardiovasc. Pharmacol.</i> 21(4):595-599, April 1993.
	AJ	✓	Crompton and Andreeva, "On the Involvement of a Mitochondrial Pore in Reperfusion Injury," <i>Basic Res. Cardiol.</i> 88(5):513-523, 1993.
	AK	✓	Gunter and Gunter, "Transport of Calcium by Mitochondria," <i>J. Bioenerg. Biomembr.</i> 26(5):471-485, October 1994.
	AL	✓	Jung et al., "The Sodium-Calcium Antiport of Heart Mitochondria is Not Electroneutral," <i>J. Biol. Chem.</i> 270(2):672-678, January 13, 1995.
SH	AM		Karadjov et al., "TPP ⁺ Inhibits Na^+ -Stimulated Ca^{2+} Efflux From Brain Mitochondria," <i>Cell Calcium</i> 7(2):115-119, April 1986.

EXAMINER

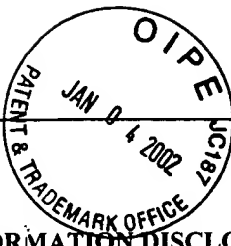
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 660088.446	APPLICATION NO. 09/960,612
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Christen M. Anderson et al.	
		FILING DATE September 20, 2001	GROUP ART UNIT 1619

U.S. PATENT DOCUMENTS

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BA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
BB					

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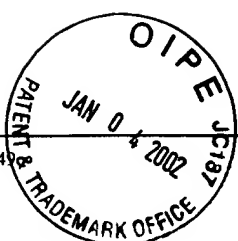
SR	BC	Kennedy et al., "Glucose-Stimulated Insulin Secretion Correlates With Changes in Mitochondrial and Cytosolic Ca ²⁺ in Aequorin-Expressing INS-1 Cells," <i>J. Clin. Invest.</i> 98(11):2524-2538, December 1, 1996.
	BD	Li et al., "Reconstitution, Identification, Purification, and Immunological Characterization of the 110-kDa Na ⁺ /Ca ²⁺ Antiporter From Beef Heart Mitochondria," <i>J. Biol. Chem.</i> 267(25): 17983-17989, September 5, 1992.
	BE	Maechler et al., "Mitochondrial Activation Directly Triggers the Exocytosis of Insulin in Permeabilized Pancreatic β -cells," <i>EMBO J.</i> 16(13):3833-3841, July 1, 1997
	BF	Magnus et al., "Model of β -cell Mitochondrial Calcium Handling and Electrical Activity. II. Mitochondrial Variables," <i>Am. J. Physiol.</i> 274(4pt1):C1174-C1184, April 1998.
	BG	Matlib et al., "A Specific Inhibitory Action of Certain Benzothiazepines and Benzodiazepines on the Sodium-Calcium Exchange Process of Heart and Brain Mitochondria," <i>Eur. J. Pharmacol.</i> 89(3-4):327-328, May 6, 1983.
	BH	Matlib et al., "Selective Effects of Diltiazem, a Benzothiazepine Calcium Channel Blocker, and Diazepam, and other Benzodiazepines on the Na ⁺ /Ca ²⁺ Exchange Carrier System of Heart and Brain Mitochondria," <i>Life Sci.</i> 32(25):2837-2842, June 20, 1983.
	BI	Matlib, "Action of Bepridil, a New Calcium Channel Blocker on Oxidative Phosphorylation, Oligomycin-Sensitive Adenosine Triphosphatase Activity, Swelling, Ca ⁺⁺ Uptake and Na ⁺ -Induced Ca ⁺⁺ Release Processes of Rabbit Heart Mitochondria in Vitro," <i>J. Pharmacol. Exp. Ther.</i> 233(2):376-381, May 1985.
	BJ	Newgard et al., "Metabolic Coupling Factors in Pancreatic β -cell Signal Transduction," <i>Ann. Rev. Biochem.</i> 64:689-719, 1995.
SH	BK	Rizzuto et al., "Pathways for Ca ²⁺ Efflux in Heart and Liver Mitochondria," <i>Biochem. J.</i> 246(2):271-277, September 1, 1987.

EXAMINER <i>Sanh...</i>	DATE CONSIDERED 6/30/02
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FORM PTO-144
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
660088.446APPLICATION NO.
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INFORMATION DISCLOSURE STATEMENT

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APPLICANTS

Christen M. Anderson et al.

FILING DATE

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1619

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
	CD				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SW	CE	/	Rutter et al., "Regulation of NAD ⁺ -Linked Isocitrate Dehydrogenase and 2-Oxoglutarate Dehydrogenase by Ca ²⁺ Ions Within Toluene-Permeabilized Rat Heart Mitochondria. Interactions With Regulation by Adenine Nucleotides and NADH/NAD ⁺ Ratios," <i>Biochem. J.</i> 252(1):181-189, May 15, 1988.
	CF	/	Rutter et al., "Regulation of NAD ⁺ -Linked Isocitrate Dehydrogenase and 2-Oxoglutarate Dehydrogenase by Ca ²⁺ Ions Within Toluene-Permeabilized Rat Heart Mitochondria. Interactions With Regulation by Adenine Nucleotides and NADH/NAD ⁺ Ratios," <i>Biochem J</i> 253(3):935, August 1, 1988.
	CG	/	Rutter et al., "Stimulated Ca ²⁺ Influx Raises Mitochondrial Free Ca ²⁺ to Supramicromolar Levels in a Pancreatic β -Cell Line. Possible Role in Glucose and Agonist-Induced Insulin Secretion," <i>J. Biol. Chem.</i> 268(30):22385-22390, October 25, 1993.
	CH	/	Svichar et al., "Mitochondrial Participation in Modulation of Calcium Transients in DRG Neurons," <i>NeuroReport</i> 10(6):1257-1261, April 26, 1999.
	CI	/	Vaghy et al., "Selective Inhibition of Na ⁺ -induced Ca ²⁺ Release From Heart Mitochondria by Diltiazem and Certain Other Ca ²⁺ Antagonist Drugs," <i>J. Biol. Chem.</i> 257(11):6000-6002, June 10, 1982.
	CJ	/	White et al., "Mitochondria Accumulate Ca ²⁺ Following Intense Glutamate Stimulation of Cultured Rat Forebrain Neurones," <i>J. Physiol.</i> 498(Pt 1):31-47, January 1, 1997.
SH	CK	/	Zonatti et al., "Electrophysiology of the Inner Mitochondrial Membrane," <i>J. Bioenerget. Biomembr.</i> 26(5):543-553, October 1994.

EXAMINER

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